

HIMS | Electronic Medical Record

LABORATORY

The need is the beginning of the story

Healthcare organizations need a system that supports all key processes in the major laboratory departments and includes features for specimen collection, accessioning, workstation support, technologist work lists/queues and workload processing, calculations, procedure processing, quality control, lab result reporting including critical result notification capture, online instrument interfaces, and long-term result retrieval. Today's lab systems must also be flexible and allow the addition of new types of testing and reporting as the world deals with pandemic realities such as COVID-19 and potential future ones. Furthermore, the solution must support localized laboratory nomenclature such as UK's standard order catalogue provided based on National Laboratory Medicine Catalogue (NLMC).

About the module

With the ability to support CPOE, data capture starts at the time of order processing with specimen collection and label application. Specimen collection information and special collection instruction is incorporated by type of test to be performed. It fully supports the identification of the specimen via bar code.

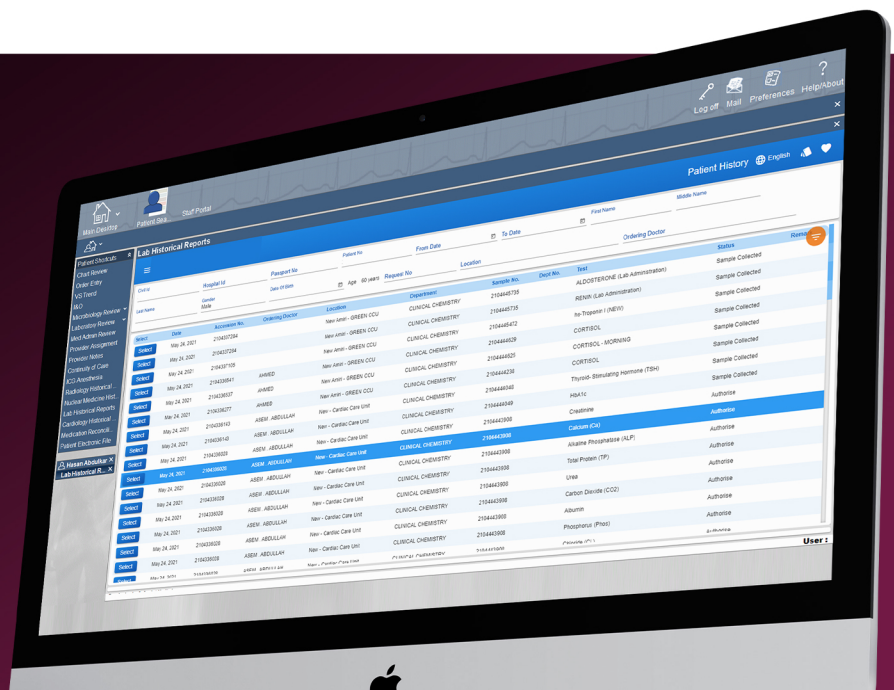
Laboratory system provides full departmental functionality for the general laboratory areas such as biochemistry, haematology, urinalysis serology, microbiology, and parasitology. It also supports specialty areas such as anatomical pathology/histology

and cytology, for both inpatient and outpatient settings. It easily supports send-out testing to reference laboratories as needed with its dispatch processing tracking functions. It supports quality control processing and turnaround time tracking from point of collection to completed result.

It can also be interfaced with an existing Laboratory Information system (LIS). Also, the Laboratory module can interface with blood bank systems, financial systems, and regulatory control agencies for quality assurance reporting purposes.

Module Highlights

- 01 Order Processing
- 02 Specimen processing
- 03 Result processing
- 04 Chart Review
- 05 Quality Control Processing
- 06 Charging/Crediting
- 07 Lab Management
- 08 Automatic generation of orders
- 09 Automatic detection of duplicate tests



Key Features

Order Processing

Based on security rights, laboratory staff can enter orders into the system. Labels can be printed automatically and manually

Specimen processing

The system requires the specimen collection to be documented during specimen collection the system assigns a specimen number. Lists of uncollected specimens can be generated. Documentation for ordering, collecting and accessioning can be done in one session

Result processing

HL7 Interfaced results typically document the order event. Manual entry is also available, based on security

Chart Review

The system application for security-driven users to access part of, or the entire, patient medical record

Charging/Crediting

Automatically and/or manually post charges to an event based on specimen processing

Lab Management

The system assigns a unique specimen number at the point of collection which allow the specimen/event to be tracked through the various departments until completion. An audit trail of this specimen movement is maintained within the system. Reports are also available for tracking work

Automatic generation of orders

Supplemental tests linked to primary orders (e.g. Barium enema) can be auto generated.

Automatic detection of duplicate tests or equivalent

Quality Control Processing



Benefits

HARRIS Flex' flexible design allows for a smooth laboratory process for providers, laboratory and nursing staff. Providers can quickly place lab orders with clinical decision support and order sets, and it is immediately available for laboratory and nursing staff to act upon.

Every step within the lab order maintenance is viewable for all clinical staff and charges can be

sent to your billing system. The HARRIS solution allows a healthcare organization to add new laboratory testing on their own and reporting as it becomes required to Public Health and other reporting authorities.

The solution and reporting requirements are easily adaptable to Public Health agencies requirements across the world.

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HARRIS HEALTHCARE



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